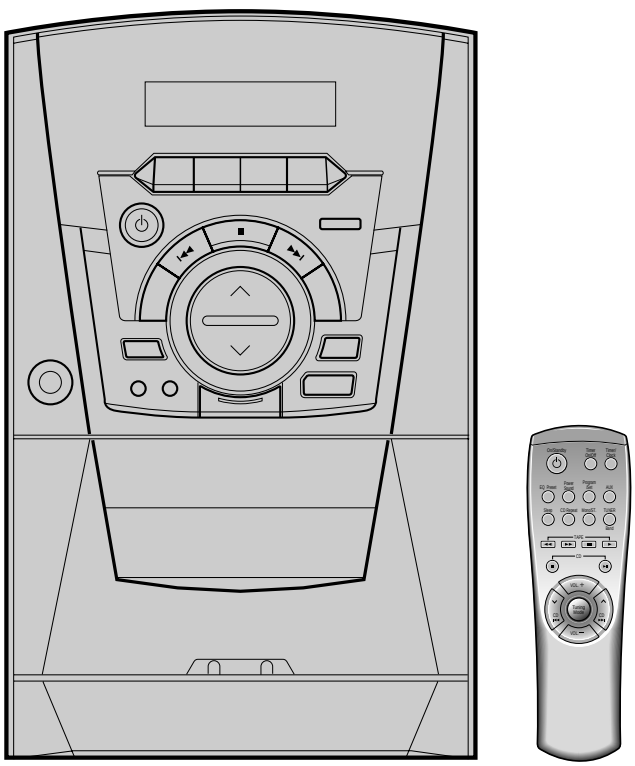
SAMSUNG

MICRO COMPONENT SYSTEM WITH REMOTE CONTROL

MM-N4

Instruction Manual



Safety Warnings

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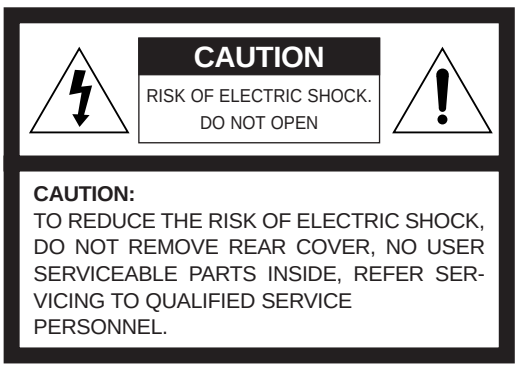
CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1


CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTER LOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

This symbol indicates that dan-gerous voltage constituting of a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and main-tenance instructions in the owners manual accompanying this unit.

Contents

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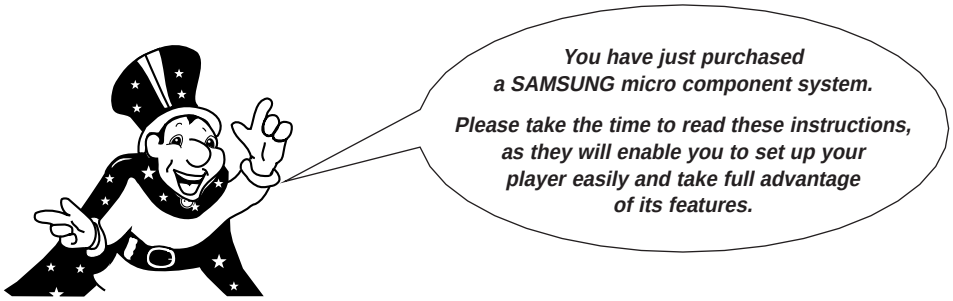
You have just purchased
a SAMSUNG micro component system.
Please take the time to read these instructions,
as they will enable you to set up your
player easily and take full advantage
of its features.

◆ INSTALLING YOUR MICRO COMPONENT SYSTEM
- Safety Warnings ····· 2
- Where to Install Your Micro Component System ····· 4
- Inserting Remote Control Batteries ····· 4
- Connecting the Loudspeakers ····· 4
- Connecting Your System to the Power Supply ····· 4
- Connecting an AM(MW)/LW Aerial ····· 5
- Connecting an FM Aerial ····· 5
- Setting the Clock ····· 6

◆ CD PLAYER
- Listening to a Compact Disc ····· 6
- Precautions When Using Compact Discs ····· 7
- CD Repeat Function ····· 7
- Programming the Order of Playback ····· 7
- Checking and Changing Programmed Tracks ····· 8

◆ TUNER
- Searching for and Storing the Radio Stations ····· 8~9
- Selecting a Stored Station ····· 9
- Improving Radio Reception ····· 9

◆ TAPE DECK
- Listening to a Cassette ····· 10
- Maintaining the Sound Quality ····· 10
- Recording a Radio Programme ····· 11
- Recording a CD with the CD Synchro Feature ····· 11
- Repeat (A ↔ B) Function ····· 11
- Recommendations for Recording ····· 11

◆ OTHER FEATURES
- Timer Function ····· 12
- Cancelling the Timer ····· 12
- Sleep Timer ····· 13
- Super Bass Sound ····· 13
- Equalizer ····· 13
- MUTE Function ····· 13
- About RDS broadcasting ····· 14
- PTY(Program Type) indication and PTY-SEARCH function ····· 15
- CD Digital Out Jack ····· 15
- Power sound function ····· 16
- Connecting Headphones ····· 16
- Connecting to an External Source ····· 16
- Safety Precautions ····· 17
- Before Contacting the After-Sales Service ····· 17
- Front Panel View ····· 18
- Remote Control ····· 19
- Rear Panel View ····· 20
- Technical Specifications ····· 20

Where to Install Your Micro-Component System

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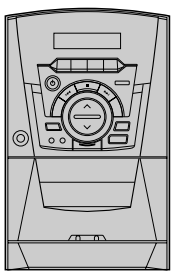
To take full advantage of your new MICRO component system, follow these installation instructions before connecting the unit.

- ***Install the system on a flat, stable surface.***
- ***Never place this unit on carpeting.***
- ***Never locate this unit in an outdoor area.***
- ***Maintain an open space of approximately 4 inches (10 cm) on the sides and rear of the system, for ventilation purposes.***
- ***Make sure that you have enough room to open the compact disc compartment easily.***
- ***Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.***
- ***Direct the loudspeakers towards the listening area.***
- ***For optimum performance, make sure that both speakers are placed at an equal distance above the floor.***



Connecting the Loudspeakers

The loudspeaker connector terminals are located on the rear of the system (red and black tabs).
There are four terminals on the system:

- Two for the left speaker (marked L)
- Two for the right speaker (marked R)

To achieve the correct sound quality, connect the:

- Red wire to the + terminals
- Black wire to the – terminals

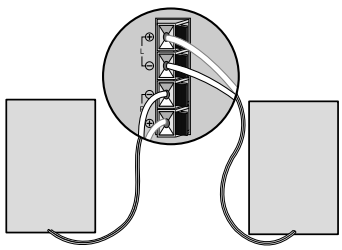
1 To connect a wire to a terminal, push the tab as far as it will go:
- To the right on the system and hold it in position

2 Insert the wire, up to the plastic sheathing, in the hole.

3 Push the tab back:
- To the left on the system, release the tab.

Result: The wire is pinched and held firmly in place.

4 Repeat the operation for each wire.



Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

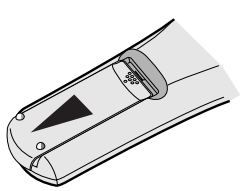
- ***Purchase the Micro component system***
- ***Find that the remote control is no longer operating correctly***

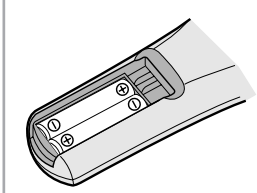
☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

1 Place your thumb on the position marked ⓦ on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.

2 Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:
- + on the battery against + on the remote control
- – on the battery against – on the remote control

3 Replace the cover by sliding it back until it clicks into position.





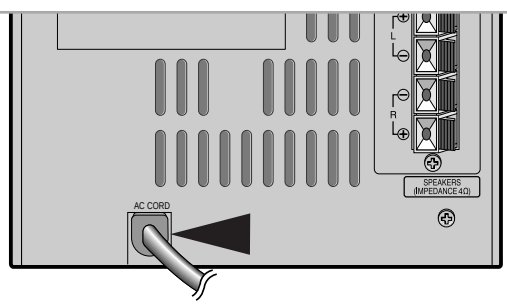
Connecting Your System to the Power Supply

The main lead must be plugged into an appropriate socket.

☛ Before plugging your system into a main socket, you must check the voltage.

1 Plug the main lead (marked AC CORD on the rear of the system) into an appropriate socket.

2 Press the On/Standby button to switch your Micro component system on.



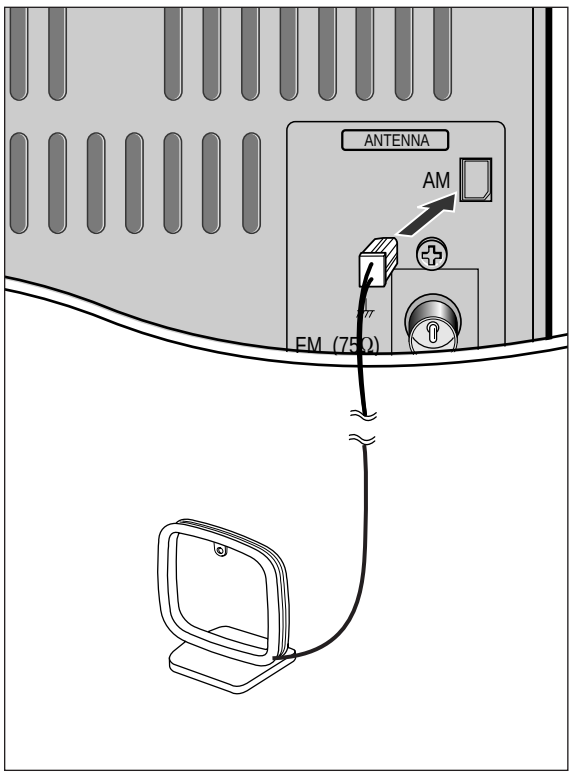
Connecting the AM(MW)/LW Aerial

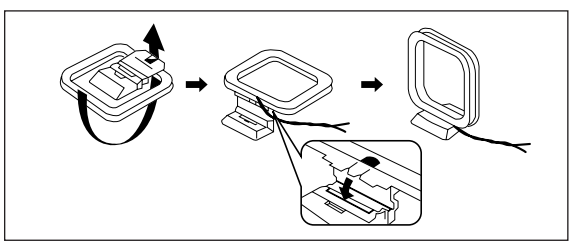
The AM(MW)/LW aerial (for long and medium waves) can be:

- Placed on a stable surface
- Fixed to the wall (you must first remove the base)

The AM aerial connector terminals are located on the rear of the system and are marked AM.

☛ To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires.
Always keep them at least 2 inches (5 cm) away.





Connecting the FM Aerial

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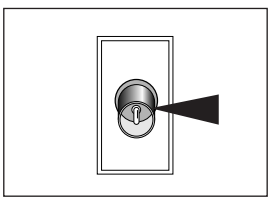
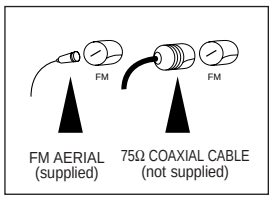
There are two types of aerials, follow the instructions below (depending on option chosen).

1 **How to connect a COAXIAL TYPE areial.**

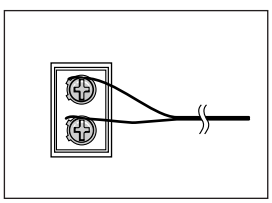
- Connect a 75Ω antenna to the FM aerial terminal.
- Plug the connector on the FM aerial supplied into the coaxial socket (75Ω) marked FM on the rear of the system.
- Follow the instructions given on Page 8 to tune into a radio station, and determine the best position for the aerial.
- If reception is poor, you may need to install an outdoor aerial. To do so, connect an outdoor FM aerial to the FM socket on the rear of the system, using a 75Ω coaxial cable (not supplied).

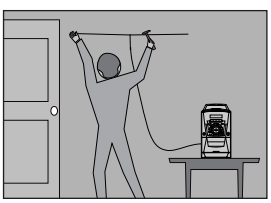




2 **How to connect a SCREW TYPE wire aerial.**

- The FM aerial connector terminals are located on the rear of the system and marked FM(75Ω).
- Spread the T.form FM aerial out and attach the ends to a wall, in the position providing the best reception.





Setting the Clock

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Your system is equipped with a clock which allows you to turn your system on and aff automatically. You should set the clock:

- ***When you purchase the Micro component system***
- ***After a power failure***
- ***After unplugging the unit***

☛ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing On/Standby.

2 Press Timer/Clock twice.
Result: **CLOCK** is displayed.

3 Press Program/Set.
Result: The hour flashes.

4

To...	Press...
Increase the hours	∧
Decrease the hours	∨

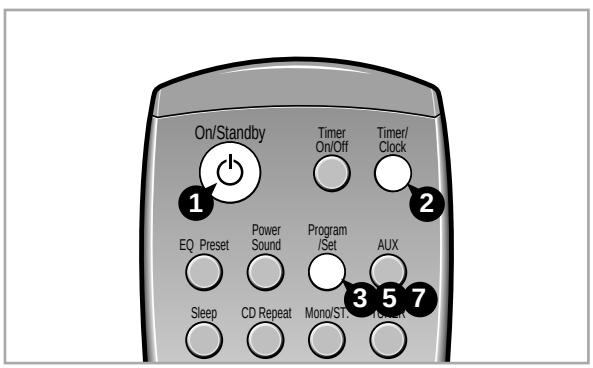
5 When the correct hour is displayed, press Program/Set.
Result: The minutes flash.

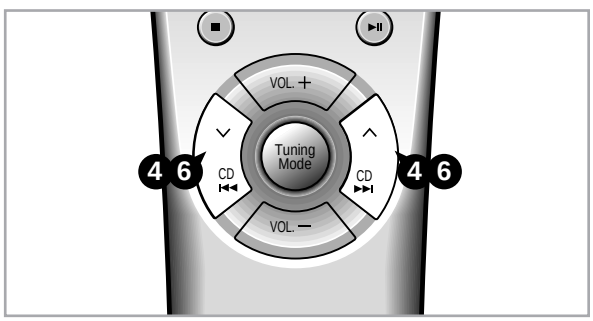
6

To...	Press...
Increase the minutes	∧
Decrease the minutes	∨

7 When the correct time is displayed, press Program/Set.
Result: The clock starts and is displayed, even when the system is in standby mode.

➢ You can display the time, even when you are using another function, by pressing Clock once.





Listening to a Compact Disc

You can play 12 cm or 8 cm compact discs without an adapter.

1 Select the CD function by pressing CD on the front panel.

2 Open the compact disc compartment by pressing down and releasing the cover.

3 Place your disc in the compartment, with the label on the disc facing upwards.

4 Close the compartment by pushing down on the cover until it clicks into place.
Result: The display indicates the number of tracks on the disc.

5 Press the PLAY/PAUSE (▶II) button.
Result: The first track on the disc plays and the track number is displayed.

6 To stop playback temporarily, press the PLAY/PAUSE (▶II) button.

➢ Press PLAY/PAUSE (▶II) again to continue playing the disc.

7

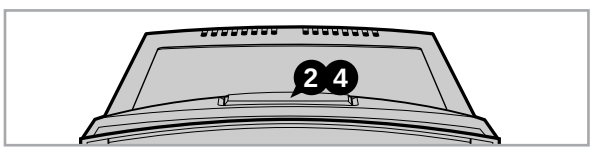
To start playing at the beginning of...	Press...
The next track	SKIP/SEARCH ▶▶I once
The current track	SKIP/SEARCH I◀◀ once
The previous track	SKIP/SEARCH I◀◀ twice
The track of your choice	SKIP/SEARCH I◀◀ or ▶▶I the appropriate number of times

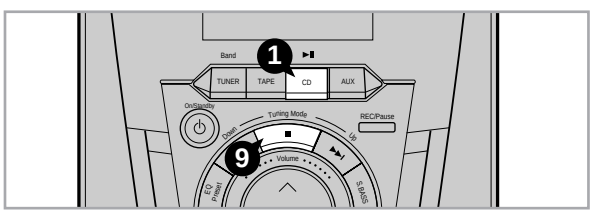
8

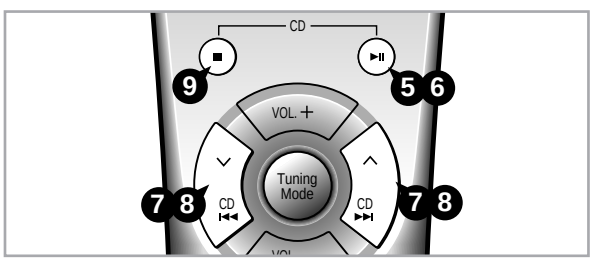
To search through the tracks...	Press and hold down...
Forwards	SKIP/SEARCH ▶▶I until you reach the required point
Backwards	SKIP/SEARCH I◀◀ until you reach the required point

➢ You are advised to turn the volume down before using this function.

9 Press the STOP (■) button when you have finished.



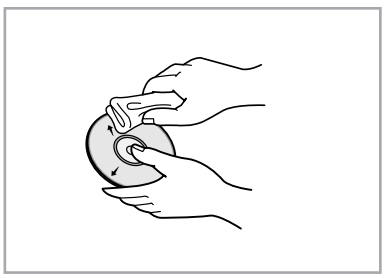




Precautions When Using Compact Discs

To guarantee hours of enjoyable listening with your compact discs:

- ***Always hold them by the edges to avoid leaving fingerprints on the shiny surface***
- ***Always replace them in their cases after listening to them***
- ***Do not fix paper or adhesive tape to the discs and do not write on the label***
- ***Clean the player with a special cleaning disc***



CD Repeat Function

You can repeat:

- ***A specific track on a compact disc***
- ***All tracks on the compact disc***

➢ This function is not available when playing a disc in a random sequence.

1 Press the CD Repeat button.

To repeat the...	Press CD Repeat...
Current track indefinitely	Once (**REPEAT 1** is displayed)
Disc	Twice (**REPEAT ALL** is displayed)

2 When you wish to stop the Repeat function, press CD Repeat a third time.
Result: **REPEAT** is no longer displayed and the function is cancelled.

Programming the Order of Playback

You can decide for yourself:

- ***The order in which you listen to the tracks***
- ***The tracks to which you do not wish to listen***

➢ This feature can be combined with the Repeat function.

1 If necessary, stop the player by pressing STOP (■).

2 Press Program/Set.
Result: **PROGRAM** and **P-01--** are displayed.

3 Select the required track by pressing the SKIP buttons:
- ⏮ to move backwards through the tracks
- ⏭ to move forwards through the tracks

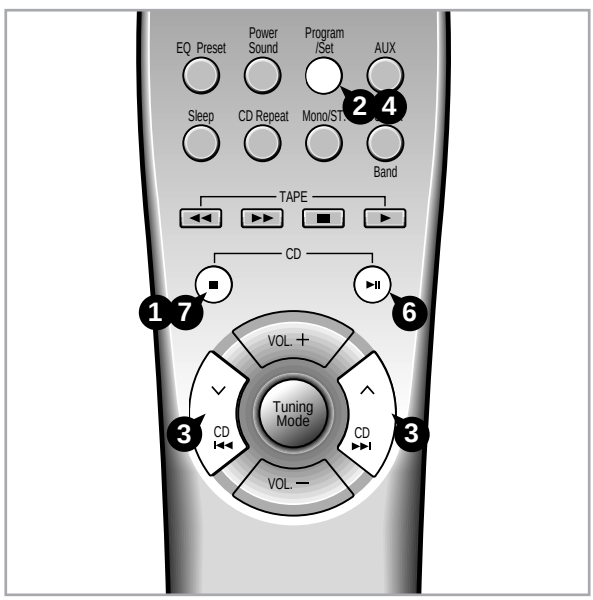
4 Press Program/Set.
Result: **P-02--** is displayed.

5 To select other tracks, repeat Steps **3** and **4**.

➢ You can programme up to 15 tracks.

6 When you have finished selecting the tracks, press CD (⏯) to start listening to the selection, in the order in which the tracks were programmed.

7 Press STOP (■) twice to cancel the selection when the disc is playing.



Checking and Changing Programmed Tracks

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You can check and change your selection of tracks at any time.

☛ You must have selected at least one track.

1. Press STOP (■) once if you have started listening to the selection.
2. Press Program/Set.
   - ➢ Each time you press Program/Set, the next selection is displayed.
3. Press Program/Set one or more times until the track to be changed is displayed.
4. Press SKIP ⏮ or ⏭ to select the new track.
5. Press CD (⏯) to start listening to the selection.
   Result: The first track selected is played.

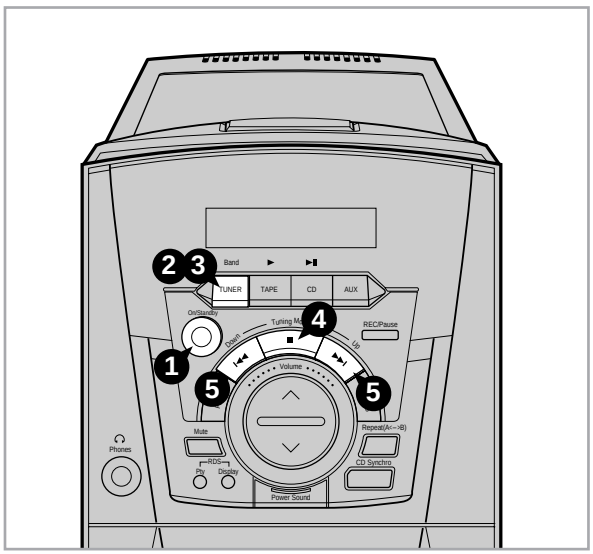
➢ You can change one or more tracks in your initial selection.

Searching for and Storing the Radio Stations

You can store up to:

- ***15 FM stations***
- ***8 AM(MW) stations***
- ***7 LW stations***

1. Switch the system on by pressing On/Standby.
2. Select the TUNER function by pressing TUNER/Band on the front panel.
3. Select the required frequency band by pressing TUNER/Band again on the front panel or TUNER on the remote control.
   Result: The appropriate indication is displayed:
   - **FM** Frequency Modulation
   - **AM(MW)** Medium Wave
   - **LW** Long Wave
4. | To search for a station... | Press Tuning Mode on the front panel... |
   |---|---|
   | Manually | One or more times until **MANUAL** is displayed. |
   | Automatically | One or more times until **AUTO** is displayed. |
5. Select the station to be stored by:
   - Pressing tuning Down or Up on the front panel
     or
   - Pressing TUNING ∨ or ∧ on the remote control
   - To scroll through the frequencies faster when searching manually, hold down the Tuning Down ⏮ or Up ⏭ buttons.
   - The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.



Searching for and Storing the Radio Stations(continued)

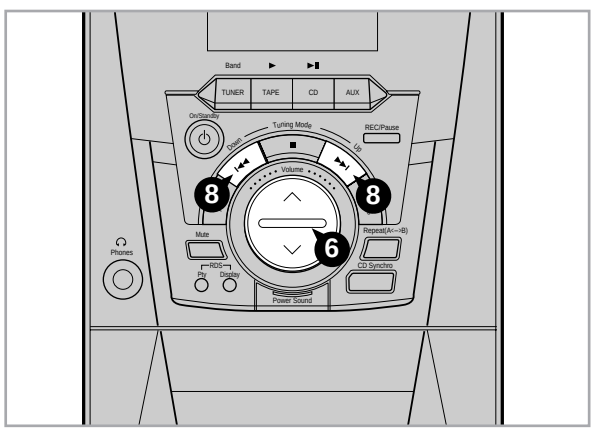
6 Adjust the volume by:
- Pressing VOLUME ∨ or ∧ on the front panel
  or
- Pressing the VOL. + or - buttons on the remote control

7 Select the stereo or mono mode by pressing Mono/ST.
Result: The **MONO** indicator is displayed when selected.

8 If you do not want to store the radio station found, revert to Step 4 and search for another station.
Otherwise:
- **a** Press Program/Set.
  Result: The program number and **PROGRAM** are displayed for a few seconds.
- **b** Press TUNING ∨ and ∧ to assign a program number between 1 and 15.
- **c** Press Program/Set to store the radio station.
  Result: **PROGRAM** is no longer displayed and the station is stored.

9 To store any other radio frequencies required, repeat Steps 3 to 8.

➢ The PROGRAM function can be used to assign a new station to an existing program number.



Selecting a Stored Station

You can listen to a stored radio station as follows:

1 Switch the system on by pressing On/Standby.

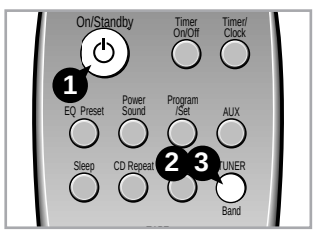
2 Select the TUNER function by pressing TUNER/Band on the front panel.

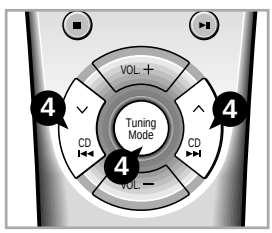
3 Select the required frequency band by pressing TUNER on the remote control or TUNER/Band again on the front panel.

4 Select the radio station as follows.

To listen to ...	Press ...
A stored station	**a** Press the Tuning Mode button until "**PRESET**" is displayed.
	b TUNING ∨ and ∧ to select the required program.
Another station	TUNING ∨ and ∧ until the required frequency is displayed.

➢ Press Tuning Mode again to exit the stored station selection function.



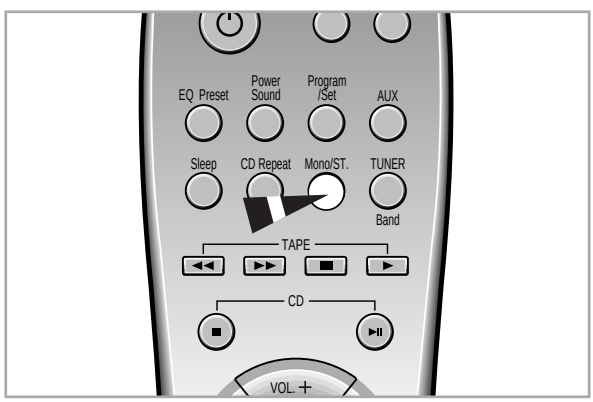


Improving Radio Reception

You can improve the quality of radio reception by:

- ***Rotating the FM or AM(MW) aerial***
- ***Testing the positions of the FM and AM(MW) aerials before fixing them permanently***

➢ If reception from a specific FM radio station is poor, press Mono/ST to switch from stereo mode to mono. The quality of the sound will be improved.



Listening to a Cassette

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1 Switch the system on by pressing On/Standby.

2 Select the TAPE function by pressing TAPE on the front panel.

3 Open the cassette deck by pushing on the corner of the cover marked PUSH EJECT until you hear a click and then releasing it.

4 Insert the pre-recorded cassette with the open edge of the tape facing downwards.

5 Close the deck by pushing on it until it clicks into place.

6 Press the play(▶) button.
Result: The cassette starts playing.

7 Press any of the following buttons during playback, as required.

To...	Press...
Listen to the same track again	◀◀ once
Listen to the next track	▶▶ once
Listen to the previous track	◀◀ twice
Listen to the track of your choice	◀◀ or ▶▶ the appropriate number of times

Result: The number of tracks remaining is displayed and changes as you move forward or backward through the tracks.

➢ If there are very quiet passages on a track, the automatic search function may stop before the end of the track. Also, a very short silence between two tracks may not be detected.

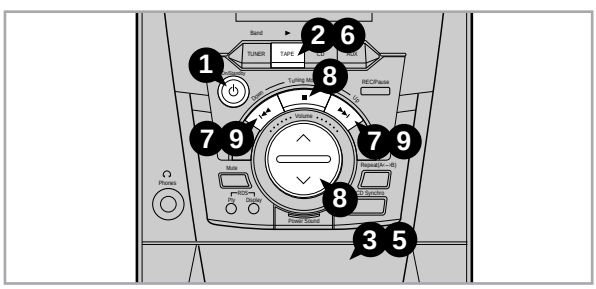
8

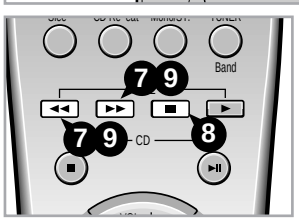
To...	Press...
Adjust the volume	VOL. + or – (or the VOLUME ∨ and ∧ buttons on the front panel)
Stop the playback or search	STOP (■)

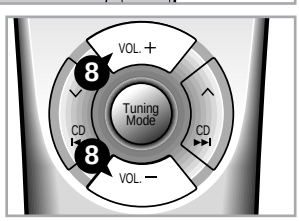
9 When the cassette is stopped, select one of the following functions as required.

To...	Press...
Rewind the cassette	◀◀
Fast-forward the cassette	▶▶

➢ The cassette player stops automatically when the beginning or end of the cassette is reached.







Maintaining the Sound Quality

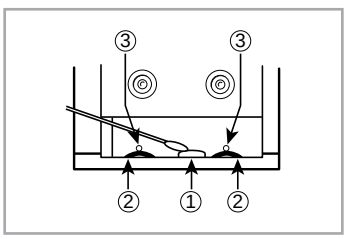
To obtain the best possible results from your cassette player, you must clean it regularly (heads, roller and drive capstan).

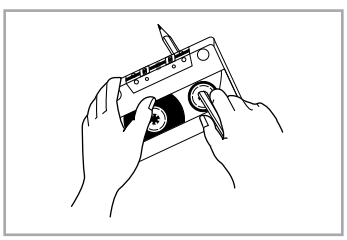
Open the deck by pressing the PUSH EJECT button.
Use a cotton bud and a special cassette cleaning agent to clean the:

- Heads (①)
- Roller (②)
- Drive capstan (③)

To guarantee hours of enjoyable listening with your cassettes:

- ***Check that the tape in the cassette is always sufficiently taut.***
- ***Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.***
- ***Avoid using 120-minute cassettes as they are extremely fragile.***

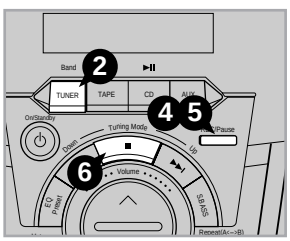




Recording a Radio Programme

You can record a radio programme of your choice and listen to it at a later date.

1. Insert a blank cassette in the cassette deck.
2. Press TUNER/Band to select the radio function.
3. Select the radio station that you wish to records.
4. To start recording, press the REC/Pause button.
   Result: Recording starts immediately.
5. To stop recording temporarily, press the REC/Pause button.
6. When you wish to stop recording, press the STOP (■) button.

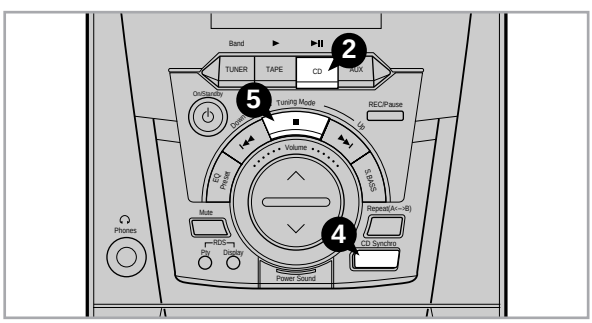


Recording a CD with the CD Synchro Feature

You can record a compact disc on a cassette.

1. Insert a blank cassette in the cassette deck.
2. Press the CD button to select the CD mode.
3. Load the compact disc.
4. Press the CD Synchro button.
   Result: The first track on the disc is played and the player starts recording automatically (synchronised recording).
5. When you have finished recording, press the STOP(■) button.

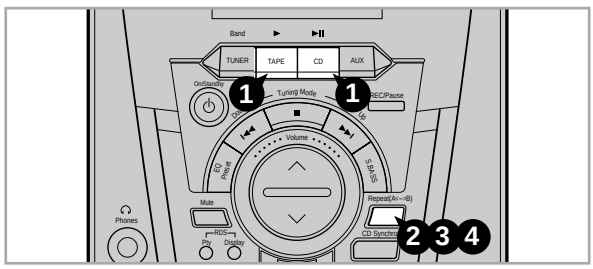
☛ If the volume is set to “0” nothing will be recorded.



Repeat (A ↔ B) Function

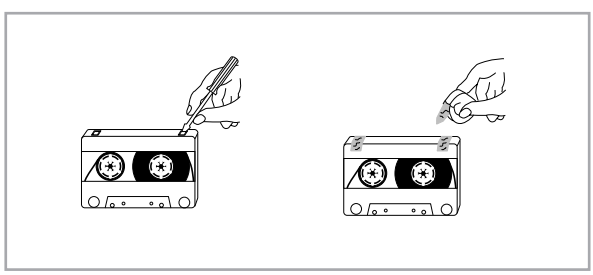
When you select CD(TAPE) Repeat A ↔ B playback, the music passages to which you were listening is repeated 3 times.

1. Press CD(▶II)/TAPE button.
   Result: The CD(TAPE) player starts playing.
2. Press Repeat (A ↔ B) button.
   Result: The indications appear: **START**
   The flashes appear: **A ↔ B**
   - A Time is memorized.
3. Press Repeat (A ↔ B) button.
   Result: The indications appear: **END**
   - B Time is memorized.
   - Your selected passages are repeated 3 times.
4. When you have finished the Repeat playback, Press Repeat (A ↔ B).



Recommendations for Recording

- ***Record on normal bias cassettes only.***
- ***To prevent erasing a cassette that you wish to keep, remove the safety tabs on the upper edge of the cassette. To re-record a cassette, where the tabs have been broken, simply cover the openings with adhesive tape.***
- ***It is an infringement of copyright laws to copy records and pre-recorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.***



Timer Function

GB

The timer enables you to switch the system on or off at specific times.
Example: You wish to wake up to music every morning.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☛
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

---

1 Switch the system on by pressing On/Standby.

2 Press Timer/Clock until ◴ **TIMER** is displayed.

3 Press Program/Set.
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.
- **a** Set the hour by pressing TUNING ∨ and ∧.
- **b** Press Program/Set.
  Result: The minutes flash.
- **c** Set the minutes by pressing TUNING ∨ and ∧.
- **d** Press Program/Set.
  Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.
- **a** Set the hour by pressing TUNING ∨ and ∧.
- **b** Press Program/Set.
  Result: The minutes flash.
- **c** Set the minutes by pressing TUNING ∨ and ∧.
- **d** Press Program/Set.
  Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

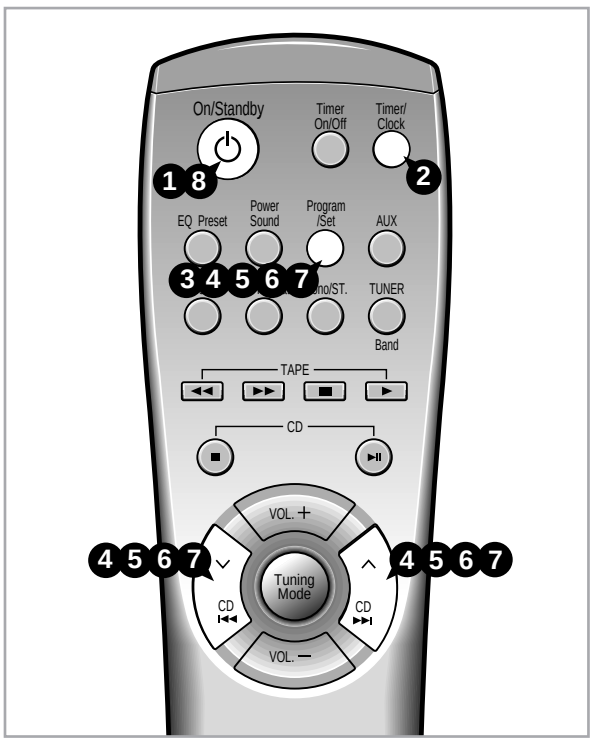
6 Press TUNING ∨ and ∧ to adjust the volume level and press Program/Set.
Result: The source to be selected is displayed.

7 Press TUNING ∨ and ∧ to select the source to be played when the system switches on.

If you select...	You must also...
TAPE (cassette)	Insert a recorded cassette in one of the decks before setting the system to standby.
TUNER (radio)	**a** Select the FM or AM frequency band by pressing TUNING ∨ and ∧. **b** Press Program/Set. **c** Select a preset station by pressing TUNING ∨ and ∧.
CD (compact disc)	**a** Load one or more compact discs.

8 Press On/Standby to set the system to standby mode.
Result: ◴ is displayed to the bottom left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

➢ If the timer switch on and off times are identical, the word **ERROR** is displayed.

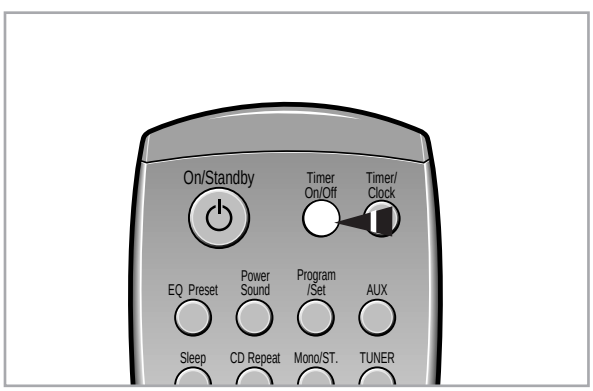


Cancelling the Timer

After having set the timer, it will start automatically as shown by the ◴ indication on the display. If you no longer wish to use the timer, you must cancel it.

➢ You can stop the timer at any time (system on or in standby mode).

To...	Press Timer On/Off
Cancel the timer	Once. Result: ◴ is no longer displayed.
Restart the timer	Twice. Result: ◴ is displayed again.



Sleep Timer

You can set the system to switch off automatically.
Example: You wish to fall a sleep to music.

1 Press Sleep.
Result: The following indications are displayed:

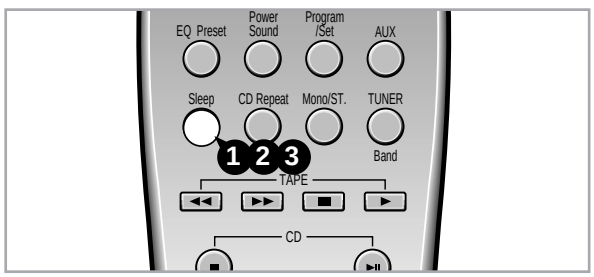
SLEEP
90 MIN

2 Press Sleep one or more times to indicate how long the system should continue playing before it switches off:

90 MIN → 60 MIN → 45 MIN
OFF ← 15 MIN ← 30 MIN

➢ At any time, you can:
- Check the remaining time by pressing Sleep
- Change the remaining time by repeating Steps 1 and 2

3 To cancel the sleep timer function, press Sleep one or more times until **OFF** is displayed and the word **SLEEP** disappears.



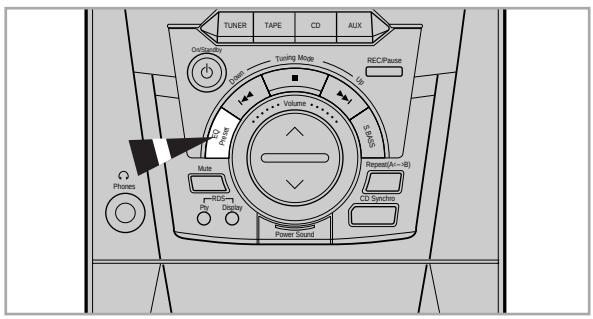
Equalizer

Your micro audio system is equipped with a preset equalizer that enables you to choose the most appropriate balance between treble and bass frequencies, according to the type of music to which you are listening.

Press the EQ Preset button one or more times until the required option is selected.

To obtain a...	Select...
Standard balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	ROCK
Balance suitable for classical music	CLASSIC

Result: The corresponding indication is displayed.

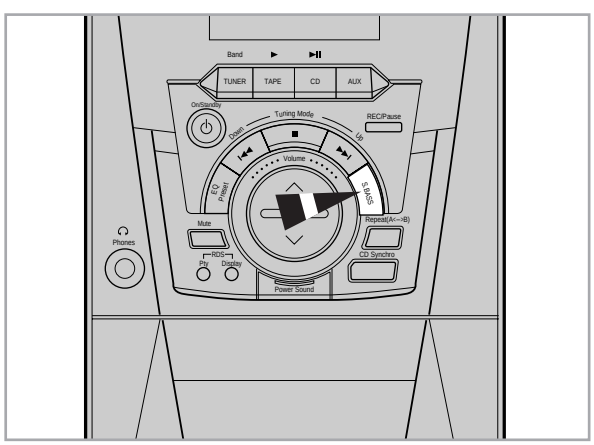


Super Bass Sound

Your Micro component system has a bass amplification function called SBS (Super Bass Sound). This function makes the sound more powerful and real.

1 Press the S. BASS button on the front panel.
Result: **SBS ON** is displayed for a few seconds.

2 To cancel this function, press S. BASS again.



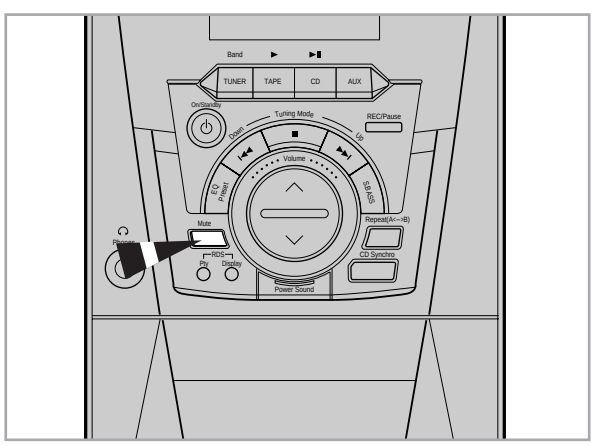
MUTE Function

You can turn the sound off temporarily on your system.

Example: You wish to answer a telephone call.

1 Press Mute on the remote control.
Result: 🔇 is displayed and the sound is switched off.

2 To switch the sound back on at the same volume as before, press Mute again.



About RDS broadcasting

GB

This unit has the RDS(Radio Data System) function, which enables for the various information such as broadcasting station, radio text, time and 17 types of programs(News, Rock, Classic, etc.) to be received from the FM RDS station together with the normal radio signal.

1 Press the On/Standby button.

2 Receive the FM radio.
- See the radio receiving method on the page 8~9.
- FM and frequency are shown on the display
- If the received station transmits the RDS information, 'RDS' appears automatically on the display.

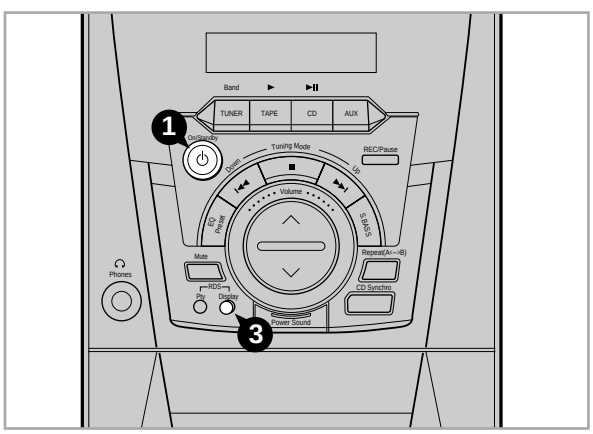
3 Press the Display button to select the desired RDS mode.
- Whenever the button is pressed, RDS mode changes as follows.

PS NAME → RT → CT → Current FM frequency

☛ ◆ The RDS function is available only on FM broadcasts.

➢ **Description on RDS function**

1. **PTY**(Program Type) : Displays the type of program currently broadcast.
2. **PS NAME**(Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
3. **RT**(Radio Text) : Transmits the text required by a broadcasting station and is composed of maximum 64 characters.
4. **CT**(Clock Time) : Transmits the time data once every minute.
5. **TP**(Traffic Program) : Shows that it is searching for stations that transmit traffic programs.
6. **TA**(Traffic Announcement) : Shows that a traffic announcement is in progress
7. **EON**(Enhanced Other Networks Information) : Offers the RDS information on other networks)

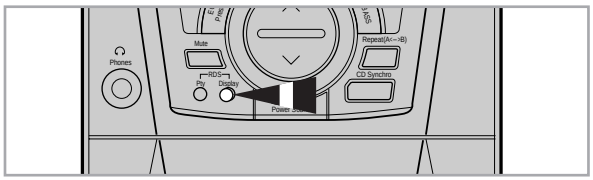


About "PS NAME" MODE

➢ Displays the name of broadcasting station.

Press the Display button to select the PS NAME.
- **"PS NAME"** appears on the display.
- If the PS information is being received, the PS name(BBC, AFO, NDR, etc.) is shown on the display.
- If the PS information isn't received, the original FM frequency is shown.

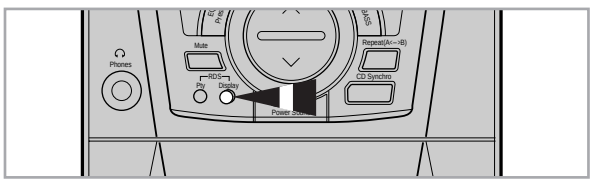
☛ Even though no Display button is pressed, the reception of PS information will display the PS name.



About 'RT' MODE

➢ Displays the character transmitted from the broadcasting station

Press the Display button to select the RT MODE.
- **"RT"** appears on the display.
- If the RT information is being received, the received information will show on the display.
- If the RT information isn't received, the "**NO RT**" is shown on the display.

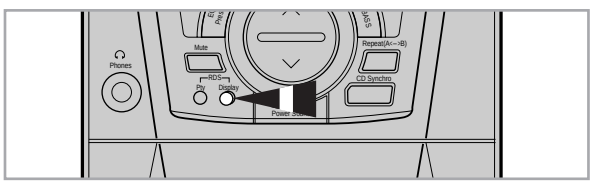


About CT(Clock Time)

➢ Sets the time of RDS clock.

To select the CT time, set the Display button to CT MODE.
- **"CT"** lights on the top display for several seconds.

☛
- Because the CT information is received in minutes, sometimes the clock isn't displayed immediately at working the CT operation. But, if the FM frequency is tuned to the station frequency transmitting the CT information, the received CT information is shown on the display in a minute after CT operation.
- If there is no received CT information, **"NO CT"**is displayed.



PTY(Program Type) indication and PTY-SEARCH function

- The PTY information is composed of an identification symbol, which helps the FM radio to recognize the program type of each FM station.
- The below 17 PTY information is shown on the display by pressing the PTY button.

Display	Program Type
NEWS	• *News including an announced opinion and report*
AFFAIRS	• *Several matters including current incidents, documentary, discussion and analysis*
INFO	• *Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.*
SPORT	• *Sports*
EDUCATE	• *Education*
DRAMA	• *Drama - Radio serial, etc.*
CULTURE	• *Culture - National or local culture including religious problems, social science, language, theater, etc.*
SCIENCE	• *Natural science and technology*
VARIED	• *Others - Speech, training programs(quiz, games), interviews, comedies and satirical plays, etc.*
POP M	• *Pop music*
ROCK M	• *Rock music*
M. O.R.M	• *M.O.R -Easy-listening, occasionally vocals.*
LIGHT M	• *Light classical music - Classical music and instrumental and chorus music.*
CLASSIC	• *Heavy classical music - Orchestra music, symphony, chamber music and opera*
OTHER M	• *Other music - Jazz, R&B, folk, country and Regge music*
ALARM	• *Alarm*
TRAFFIC	• *Traffic information*

About PTY-SEARCH

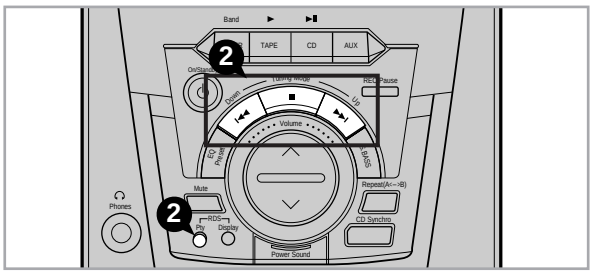
➢ Searches the same PTY as the program type of broadcasting station.

1 Receive the FM radio.
- See the radio receiving method on the page 8~9.
- The FM and frequency appear on the display.
- If the received station is transmitting the RDS information, **"RDS"** lights up.

2 Press the PTY button.
- The PTY MODE(NEWS, AFFAIRS, etc.) appears on the display.
- Press the Tuning Mode DOWN or UP button to select the desired PTY MODE.

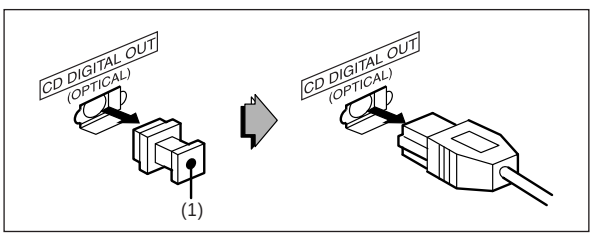
➢
- If the station is transmitting no PTY information, 'NO PTY' lights on the display.
- When the PTY MODE is selected(The PTY MODE is shown on the display), press the PTY KEY once again to convert into PTY-SEARCH MODE and auto-search the station sequentially.
- If the PTY MODE received in the course of auto-search agrees with the selected PTY MODE, the auto-search stops and the PTY-SEARCH is finished.

☛ If the PTY MODE which agrees with the PTY MODE selected in the course of auto-search, isn't received, it is returned to the first frequency at beginning the PTY SEARCH and the auto-search and PTY SEARCH are suspended.



CD Digital Out Jack

This unit can output CD digital sound signals through this jack. Use an optical cable to connect digital audio equipment. (DAT deck, MD recorder, etc.).
Remove the dust cap (1) from the CD DIGITAL OUT jack. Then, connect an optical cable plug to the CD DIGITAL OUT jack.



When the CD DIGITAL OUT jack is not being used.
Attach the supplied dust cap.

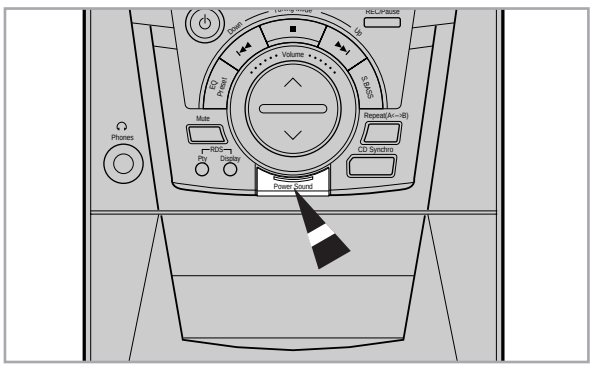
Power sound function

GB

This machine is equipped with the function of POWER SOUND, which amplifies bass treble output to twice as much for powerful real surround-sound.

1 Press the Power Sound button on the front panel.
Result:
- **P--SOUND** is displayed for a few seconds.
- A more powerful resonant sound is diffused.

2 To cancel this function, press Power Sound again.



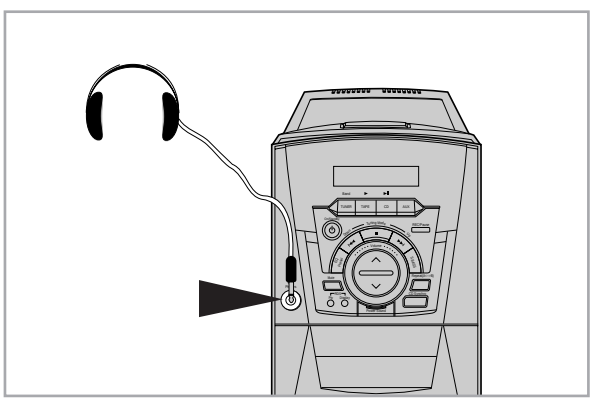
Connecting Headphones

You can connect a set of headphones to your micro component system so that you can listen to music or radio programs without disturbing other people in the room. The headphones must have a 3.5 mm connector or appropriate adapter.

Connect the headphones to the Phones connector on the front panel (bottom left corner).

Result: The loudspeakers are no longer used for sound output.

Prolonged use of headphones at a high volume may damage your hearing.



Connecting to an External Source

The auxiliary input can be used to take advantage of the sound quality of your micro audio system when listening to other sources.

Example:
- ***A television***
- ***A video disc player***
- ***A DAT or DCC cassette player***
- ***A Hi-Fi stereo video cassette recorder***

To connect to an external source, the external source must have an audio output terminal. In addition, you need an RCA connection cable.

1 Before connecting to an external source, set the system to standby mode and disconnect it and the external source from the outlet.

2 Connect the audio cable to the rear of the system.

Connect the...	To the connector marked...
Red jack	**R** (right)
White jack	**L** (left)

For optimum sound quality, do not invert the right and left channels.

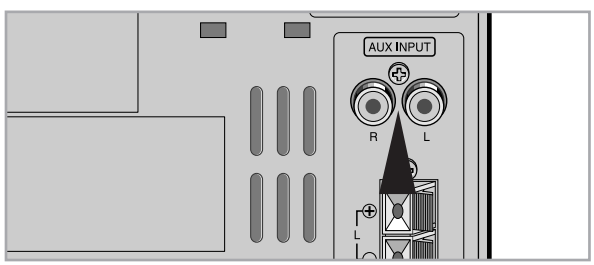
3 Plug the system back into the wall outlet and press On/Standby to switch it on.

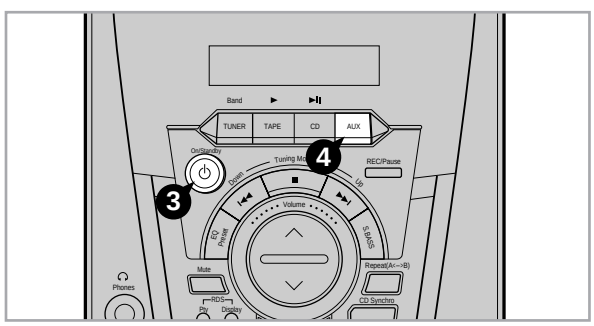
4 Press AUX.
Result: **AUX** is displayed.

5 Switch the external source on.

6 Adjust the volume and balance as required:
- Volume
- Equalizer
- S. BASS

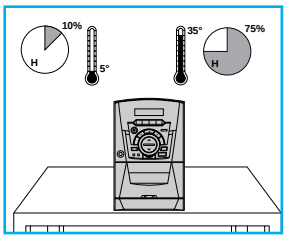
Example: You can watch a film and take advantage of stereo sound as if you were at the cinema (provided that the original sound track is in stereo).



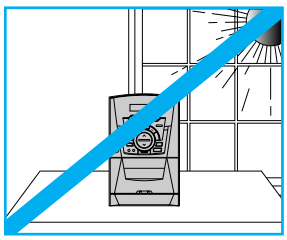


Safety Precautions

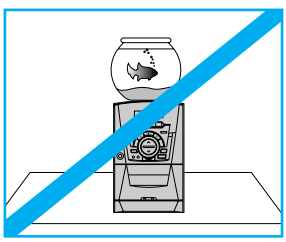
The following diagrams illustrate the precautions to be taken when using or moving your Micro component system.



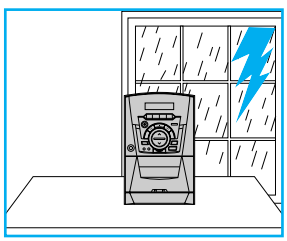
Ambient operating conditions:
Ambient temperature 5°C-35°C
Humidity 10-75%



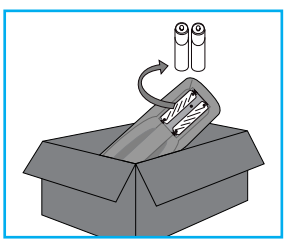
Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.



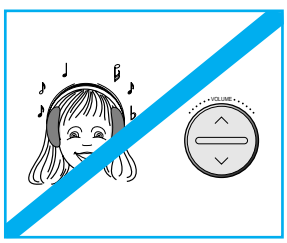
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and cause equipment damage. In such events immediately disconnect the power cord from the socket.



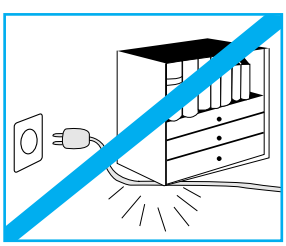
During thunderstorms, disconnect the power cord from the socket. A voltage surge due to lightning could damage the unit.



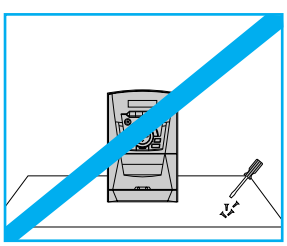
Remove the batteries from the remote control, if not used for any extended periods.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.



Do not place heavy items on the power cord. Power cord damage can lead to damage of the equipment (fire hazard) or cause electric shock.



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

Before Contacting the After-Sales Service

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

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	Problem	Checks/Explanation
GENERAL	The system does not work	• *The power cord is not correctly plugged into a wall socket or the wall socket is not switched on.* • *The remote control batteries need replacing or the polarity has not been respected.* • *The On/Standby button has not been pressed.*
	There is no sound	• *The volume has been completely turned down.* • *The correct function (TUNER, CD, TAPE, AUX) has not been selected.* • *You have connected a set of earphones.* • *The loudspeaker wires have been disconnected.*
	The Timer does not work	• *The timer has been stopped by pressing Timer On/Off.*
	Incase it is not worked, even the action is taken as above.	***Press the S.BASS button for 5 seconds in power 'OFF'(standby), then it is returned the original position (RESET).***
CD	The compact disc player does not start playing	• *The CD function has not been selected.* • *The disc has been inserted face down or is either dirty or scratched.* • *The laser sensor is dirty or dusty.* • *The system has not been installed on a flat, horizontal surface.* • *Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.*
CASSETTES	The tape does not start playing	• *The TAPE function has not been selected.* • *The cassette has not been inserted correctly.* • *The cassette player has not been closed.* • *The tape is either slack or broken.*
	The volume falls off The cassette is not erased correctly There is excessive wow and flutter	• *The audio heads are dirty.* • *The rollers or drive capstans are dirty.* • *The tape is worn.*
RADIO	Reception is poor or no radio stations are received at all	• *The TUNER function has not been selected.* • *The radio frequency has not been correctly selected.* • *The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation.* • *You are in a building that blocks radio waves; you must use an outside aerial.*

If the above guidelines do not allow you to solve the problem, take a note of:

- ***The model and serial numbers, normally printed on the rear of the system***
- ***Your warranty details***
- ***A clear description of the problem***

Then contact your local dealer or SAMSUNG after-sales service.

Front Panel View

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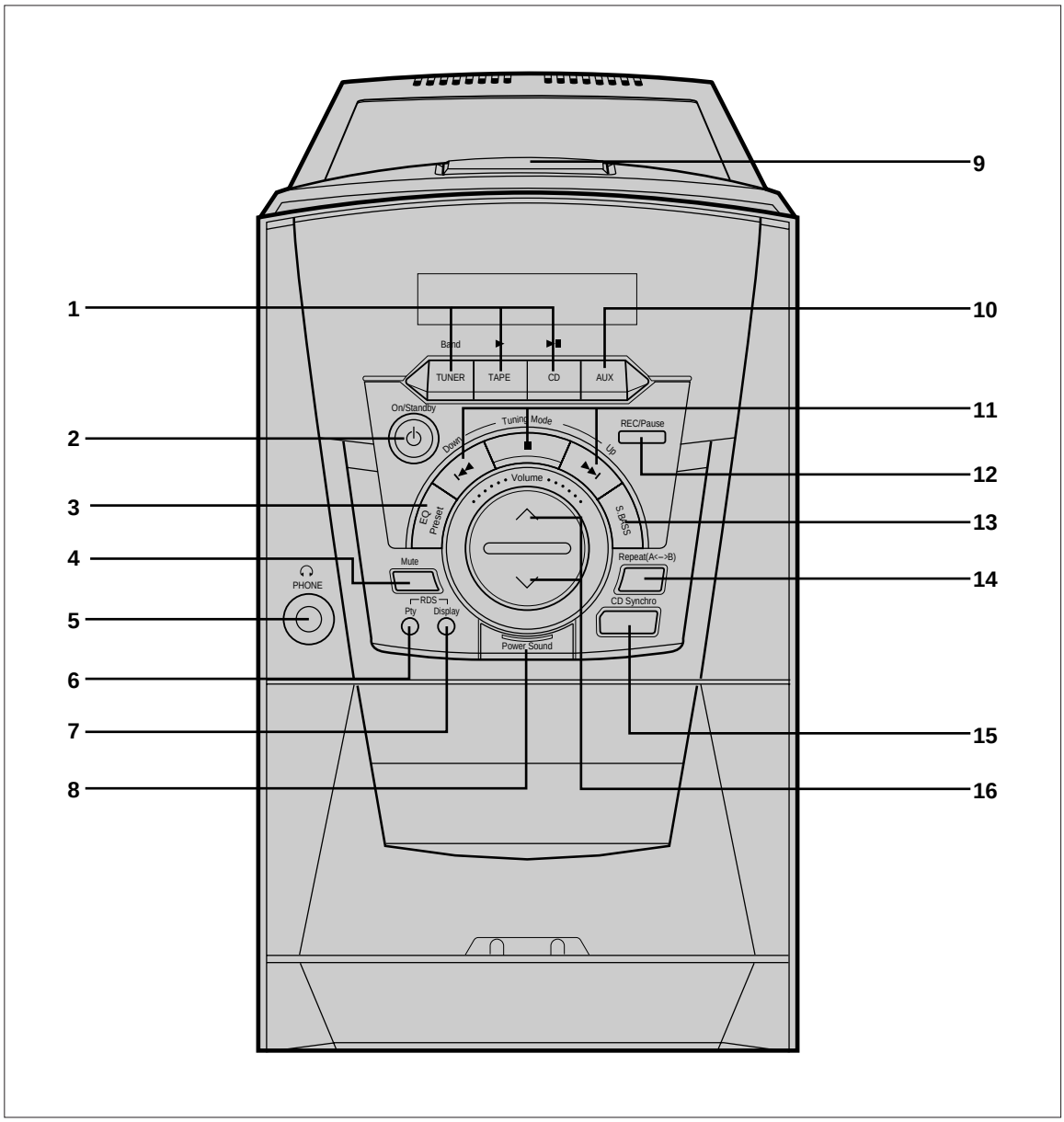
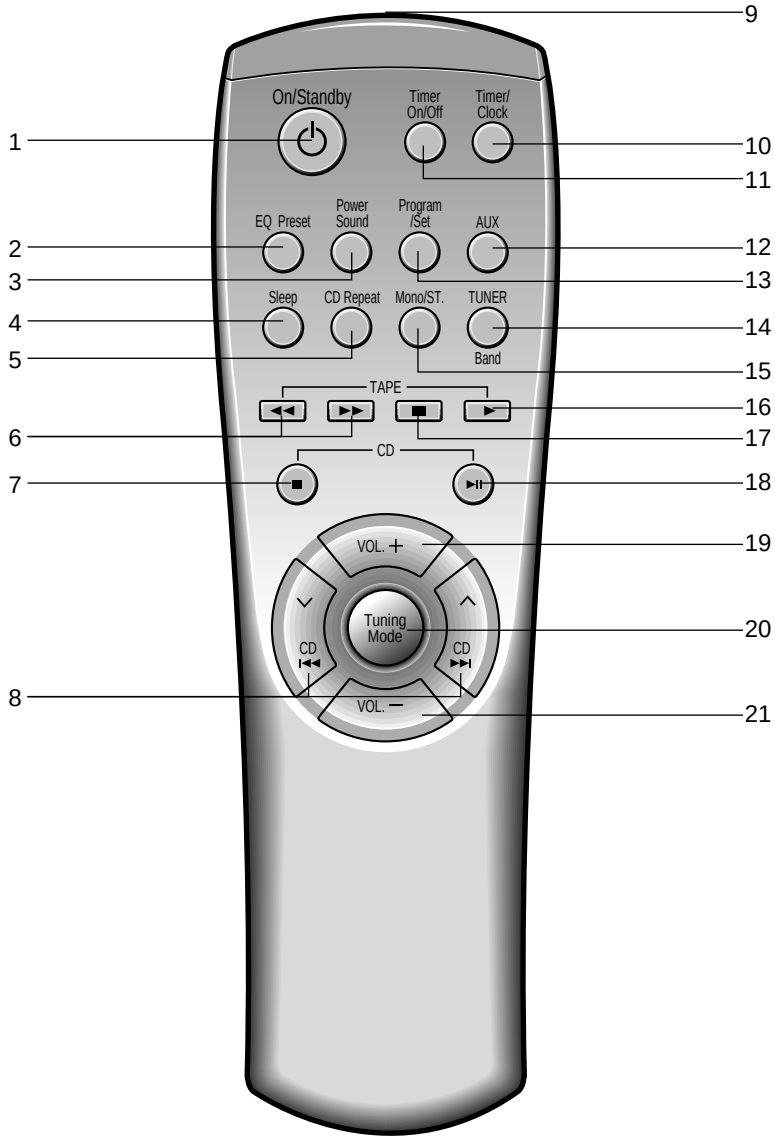


1. Function selection buttons
2. On/Standby button
3. Equalizer preset button
4. Mute button
5. Headphones jack
6. RDS Pty button
7. RDS Display button
8. Power Sound button
9. CD Open button
10. AUX button
11. Function control buttons
12. REC/Pause button
13. S. BASS button
14. Repeat (A ↔ B) button
15. CD Synchro button
16. Volume control buttons

Remote Control



1. On/Standby button
2. EQ Preset button
3. Power Sound button
4. Sleep button
5. CD Repeat button
6. Tape rewind and fast-forward buttons
7. CD Stop and cancel button
8. CD Track or radio station search buttons
9. Infra-red signal transmitter
10. Timer/Clock Setting button
11. Timer switch on and off button
12. AUX button
13. Program/Set button
14. Frequency band selection button
15. Mono/Stereo button
16. Tape Playback button
17. Tape stop(playback/record) button
18. CD Play and pause button
19. Volume increase button
20. Tuning Mode button
21. Volume decrease button

Rear Panel View

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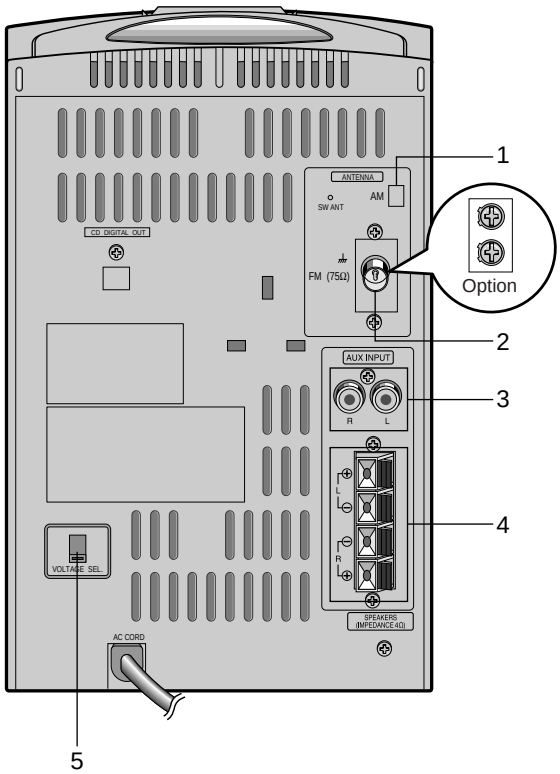

1. AM AERIAL CONNECTOR TERMINALS
2. FM AERIAL CONNECTOR TERMINALS
3. AUXILIARY SOURCE CONNECTORS
4. LOUDSPEAKERS CONNECTOR TERMINALS
5. CD DIGITAL OUT JACK

Technical Specifications

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

TUNER	
FM	
Signal/noise ratio	55 dB
Usable sensitivity	10 dB
Total harmonic distortion	1.5%
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	54 dB
Total harmonic distortion	2%
LW	
Signal/noise ratio	28 dB
Usable sensitivity	63 dB
Total harmonic distortion	2%

COMPACT DISC PLAYER	
Sampling frequency	44.1 KHz
Frequency range	20 Hz - 20 KHz
Signal/noise ratio	90 dB (at 1 KHz) with filter
D/A conversion	16-bit
Wow and flutter	Outside measurable limits
Error correction system	Cross Interleave Reed Solomon Code (CIRC)
Laser type	AIGaAS semiconductor
Laser wave length	780 nm
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
Scanning velocity	1.2 - 1.4m/sec.
Rotation speed	200 to 500 rpm

CASSETTE PLAYER	
Playing speed	Normal speed: 4.75 cm/sec.
Recording system	AC Bias

GENERAL	
Output power	2x7 Watts (total hamonic distortion:10%)
Power supply	AC mains: See the label
Dimensions	160(W)x255(H)x264(D)mm.

THIS APPLIANCE IS MANUFACTURED BY: